

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:

determining that a change occurred to data in a first region of a first plurality of regions of a first volume, wherein the change resulted from a restore operation; and
~~without including~~ in response to determining that the change occurred, updating information identifying a set of regions designated for replication ~~the first region in a set of regions designated for replication~~ to a second volume, wherein subsequent to the updating the information, the first region is included in the set of regions designated for replication to the second volume.

2. (Original) The method of claim 1 wherein

the change occurred to the data in the first region as a result of restoring at least one region of the first plurality of regions from a second set of regions of a third volume.

3. (Original) The method of claim 2 wherein

the third volume is a snapshot of the first volume at one point in time.

4. (Currently Amended) The method of claim 1 wherein

a second region of the first plurality of regions is included in the set of regions designated for replication when

a respective change to the second region is added to a log comprising at least one change to at least one region, wherein

~~each region of the at least one region~~ each of the at least one region in the log is designated for replication to the second volume.

5. (Original) The method of claim 4 wherein

a third region of the first plurality of regions is included in the set of regions designated for replication when

a second respective change occurs to the third region, and

the second respective change to the third region cannot be added to the log.

6. (Canceled)

7. (Currently Amended) The method of ~~claim 6~~ claim 1 further comprising:
replicating each region in the set of regions designated for replication from the first volume to the second volume.
8. (Original) The method of claim 7 wherein
the replicating each region does not comprise replicating all regions from the first volume to the second volume.
9. (Original) The method of claim 7 wherein
the replicating continues during the restoring.
10. (Original) The method of claim 7 wherein
the data are accessible during the replicating.
11. (Original) The method of claim 7 wherein
the data are accessible during the restoring.
12. (Canceled)
13. (Original) The method of claim 1 wherein
a second region of the first plurality of regions is included in the set of regions designated for replication when
a second respective change occurs to the second region, and
the second respective change cannot be added to a log of changes to at least one region,
wherein
each region of the at least one region in the log is included in the set of regions designated for replication.
14. (Currently Amended) A system comprising:
determining means for determining that a change occurred to data in a first region of a first plurality of regions of a first volume, wherein the change resulted from a restore operation without including the first region in a set of regions designated for replication to a second volume; and

adding means for adding the first region to the set of regions designated for [[replicaiton]]
replication to a second volume, wherein the region is added by updating information
identifying the set of regions designated for replication.

15. (Original) The system of claim 14 further comprising:
replicating means for replicating each region in the set of regions designated for replication from
the first volume to the second volume.

16. (Original) The system of claim 15 wherein
the replicating means do not replicate all regions from the first volume to the second volume.

17. (Currently Amended) A system comprising:
a determining module to determine that a change occurred to data in a first region of a first
plurality of regions of a first volume, wherein the change resulted from a restore
operation; and
an updating module to update information identifying a set of regions designated for replication
from the first volume to a second volume, wherein subsequent to the information being
updated, the first region is included in the set of regions designated for replication to the
second volume without including the first region in a set of regions designated for
replication to a second volume.

18. (Canceled)

19. (Original) The system of claim 17 further comprising:
a replicating module to replicate each region in the set of regions designated for replication from
the first volume to the second volume.

20. (Original) The system of claim 17 wherein
the replicating module does not replicate all regions from the first volume to the second volume.

21. (Currently Amended) A computer-readable medium comprising:
determining instructions to determine that a change occurred to data in a first region of a first
plurality of regions of a first volume, wherein the change resulted from a restore
operation; and

updating instructions to update information identifying a set of regions designated for replication from the first volume to a second volume, wherein subsequent to the information being updated, the first region is included in the set of regions designated for replication to the second volume without including the first region in a set of regions designated for replication to a second volume.

22. (Canceled)

23. (Original) The computer-readable medium of claim 21 further comprising: replicating instructions to replicate each region in the set of regions designated for replication from the first volume to the second volume.

24. (Original) The computer-readable medium of claim 21 wherein the replicating instructions do not replicate all regions from the first volume to the second volume.